

DETAILED ACTION

1. This office action is in response to the amendment filed 5/28/2008. Claim 1 is amended; claims 12, 14 and 25-27 are cancelled; and claim 28 is added.
2. Amendment to the specification (page 35, lines 3-17) to correct a typographical error is acknowledged.
3. The obviousness-type double patenting rejection over serial No. 11/547, 238 and 10/588,210 is the only rejection pending in current application and is withdrawn without a need for terminal disclaimer because of earlier filing date of present application and provisional obviousness-type double patenting being the only rejections remaining in both the current application and copending applications. See MEEP § 804 (R-5).

It is noted that applicant indicated one of the serial nos. as 11/547,210 (page 13, line 1 of remarks filed 5/28/2008) and should have been 11/547,238.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

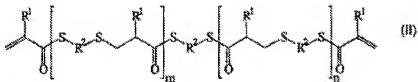
Authorization for this examiner's amendment was given in a telephone interview with Kirsten Grueneberg on 5/30/2008.

In the specification replace XIV (page 35, lines 5) and XIII (page 35, line 11) with XIII and XIV respectively.

Allowable Subject Matter

5. It is noted that present claims are directed to a mixture for the production of transparent plastics, comprising:

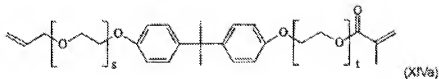
a) a prepolymer, prepared from compounds of the formula (I) and (II)



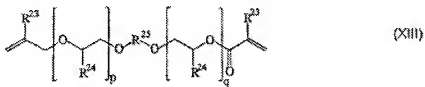
and from alkyl dithiols or from polythiols;

- b) at least one radical polymerizable monomer (A) with at least two methacrylate groups;
 c) aromatic vinyl compounds;
 d) a monomer selected from the group consisting of a monomer capable of free radical polymerization and having at least two terminal olefinic groups whose reactivity differs,
 e) at least one ethylenically unsaturated monomer (B) and mixtures thereof; and
 f) a monomer selected from the group consisting of a monomer capable of free radical polymerization and having at least two terminal olefinic groups whose reactivity differs and monomer is of the formula -

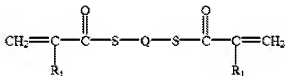
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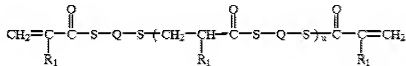
wherein s and t are greater than or equal to zero and the sum $s + t$ is in the range from 1 to 20 or a mixture of monomer of formula (XIVa) and monomer of formula (XIII) –



The closest prior art, viz., Smith et al (US 6, 342, 571 B1), Maruyama et al (US 5, 270, 439), Momoda et al (US 6, 698, 883 B2) taken individually or in combination, does not disclose or suggest the polymer composition of present claims. Thus Smith et al teach a polymerizable composition comprising a mixture of thio(meth)acrylate monomers comprising (i) a first thio(meth)acrylate functional monomer of following general formula :



and (ii) a second thio(meth)acrylate functional monomer represented by the general formula II -



(b) an aromatic monomer having at least two vinyl groups, c) a polythiol monomer having at least two thiol groups, d) a monomer capable of free radical polymerization

and having at least two methacrylate groups, and e) a monomer capable of free radical polymerization and having at least two terminal olefinic groups whose reactivity differs; Maruyama et al teach a curable composition prepared by previously synthesizing the prepolymer having a polythioether skeleton; and Momoda et al teach curable composition comprising allyl polyethylene glycol methacrylate and is different from the monomer of formula XIVa as recited in the present claims.

In view of the above discussion, objections and rejections of record are overcome and the claims are passed to issue.

As of the date of this Notice of Allowability, the Examiner has not located or identified any reference that can be used singularly or in combination with another reference including US '571 B1 or US '439 or US '883 B2 to render the present invention anticipated or obvious to one of ordinary skill in the art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KARUNA P. REDDY whose telephone number is (571)272-6566. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Karuna P Reddy/
Examiner, Art Unit 1796

/VASUDEVAN S. JAGANNATHAN/
Supervisory Patent Examiner, Art Unit 1796